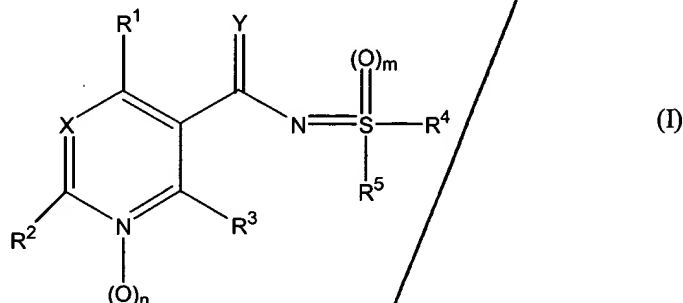


In the Claim:

1. (Amended) An acylsulfimide of the formula (I) or a salt thereof,



where the symbols and indices are as defined below:

X is CH or N;

Y is O or S;

n is 0 or 1;

m is 0 or 1;

R¹ is C₁-C₆-halobalkyl;

R², R³ are identical or different and are H, halogen or a branched or unbranched (C₁-C₆)-alkyl group, where one or two CH₂ groups may be replaced by -O- or -S- or -N(C₁-C₆)-alkyl, with the proviso that heteroatoms may not be adjacent to one another;

R⁴, R⁵ are identical or different and are R⁶, -C(LW)R⁷, -C(=NOR⁷)R⁷, -C(=NNR⁷)R⁷, -C(=W)OR⁷, -C(=W)NR⁷, -OC(=W)R⁷, -OC(=W)OR⁷, -NR⁷C(=W)R⁷, -N[C(=W)R⁷]₂, -NR⁷C(=W)OR⁷, -C(=W)NR⁷-NR⁷, -C(=W)NR⁷-NR⁷[C(=W)R⁷], -NR⁷-C(=W)NR⁷, -NR⁷-NR⁷C(=W)R⁷, -NR⁷-N[C(=W)R⁷]₂, -N[(C=W)R⁷]-NR⁷, -NR⁷-NR⁷[(C=W)R⁷], -NR⁷[(C=W)NR⁷], -NR⁷(C=NR⁷)R⁷, -NR⁷(C=NR⁷)NR⁷, -O-NR⁷, -O-NR⁷(C=W)R⁷, -SO₂NR⁷, -NR⁷SO₂R⁷, -SO₂OR⁷, -OSO₂R⁷, -OR⁶

$-\text{NR}^7_2, -\text{SR}^7_2, -\text{SiR}^7_3, -\text{PR}^7_2, -\text{P}(=\text{W})\text{R}^7, -\text{SO}_2\text{R}, -\text{SO}_2\text{R}^7, -\text{PW}_2\text{R}^7_2, -\text{PW}_3\text{R}^7_2;$

B¹

or

R^4, R^5 together with the sulfur to which they are attached form a three- to eight-membered saturated or unsaturated ring system which is optionally mono- or polysubstituted, and which optionally contains 1 to 4 further heteroatoms, where two or more of the substituents optionally form one or more further ring systems;

W is O or S;

R^6 are identical or different and are $(\text{C}_1\text{-C}_{20})$ -alkyl, $(\text{C}_2\text{-C}_{20})$ -alkenyl, $(\text{C}_2\text{-C}_{20})$ -alkynyl, $(\text{C}_3\text{-C}_8)$ -cycloalkyl, $(\text{C}_4\text{-C}_8)$ -cycloalkenyl, $(\text{C}_8\text{-C}_{10})$ -cycloalkynyl, aryl or heterocyclyl, where the radicals mentioned may optionally be mono- or polysubstituted, and

R^7 is identical or different and is H or R^6 .

Add the following new claim:

B² --24. A composition for controlling arthropods or helminthes which comprises an effective amount of a compound according to claim 1 and formulation auxiliary.--

REMARKS

This invention relates to heterocyclic acylsulfimides, to processes for their preparation and to their use as pesticides. Applicants discovered that the inventive compounds possess a good spectrum of activity against animal pests while being well tolerated by mammals and aquatic animals.